

100226

ATTACHMENT II

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Review of the RI/FS Work Plan and QAPjP prepared by Weston for the Standard Chlorine Company NPL Site. DATE: January 11, 1990

FROM: Bernice Pasquini, Geologist
Technical Support Section(3HW15)

TO: Robert Guarni, RPM
DE/MD Section(3HW25)

After reviewing the groundwater investigation portions of the subject documents and visiting the Standard Chlorine Company property, I recommend the following:

1. Groundwater flow direction west of the subject site has not been evaluated, and with the proposed placement of the Columbia monitoring wells in the RI/FS workplan, the direction of groundwater flow to the west of the site can not be evaluated and the extent of contamination can not be appropriately delineated. Therefore, it would be advantageous to place two monitoring wells to the west of the site on the Air Products Company's property. In response to our recommendation, Delaware's Department of Natural Resources and Environmental Control (DE DNREC) provided a map (see attachment 1) to EPA, during a January 2, 1990 meeting with DE DNREC, pinpointing proposed locations by Standard Chlorine Company of two wells on the Air Products Company property. At the meeting we concurred with the proposed locations and agreed that the northernmost well would replace the Work Plan proposed well number 10. Agreement was also reached that the southernmost well would be in addition to the 10 proposed wells in the August, 1989 RI/FS work plan (i.e. a total of 11 Columbia Wells will be constructed). The additional well is warranted (i.e. well number 11) as the proposed well locations for Monitoring Well number one through nine are needed in order to better delineate the extent of groundwater contamination, determine effectiveness of the recovery well system, provide additional ground water level readings, and delineate the dense non-aqueous phase liquid.

AR300476

Relocation of any of the proposed nine monitoring well locations would compromise the RI/FS's groundwater investigation objectives.

2. Currently there are no background wells proposed in the August, 1989 RI/FS Work Plan for placement and/or sampling. During the January 2, 1990 meeting with DE DNREC, it was stated that there should be background wells and that they should be sampled. We also discussed the shallow (Columbia) wells south of Governors Lea Road used as Monitoring Wells by TEXACO for use as background wells for the Standard Chlorine Company site. No decision was made, but, I strongly recommend sampling three of these wells during the RI/FS (to be determined by DE DNREC and EPA). One well should be analyzed for TCL, TAL, and chlorinated benzene derivatives. The other two wells should be analyzed for benzene and its chlorinated derivatives.
3. Since the subject documents mention several other spills (some acid spills) and there is no record in the Work Plan or the QAPP of groundwater samples being analyzed for the TCL/TAL lists, I recommended, during the January 2, 1990 meeting with DE DNREC, that additional groundwater samples be analyzed for the TCL/TAL list. DE DNREC indicated that groundwater samples at the Standard Chlorine site may have been analyzed for the TCL/TAL in the early 1980's and that they would get back to us concerning whether these analytical results existed. During a subsequent conversation with Diane Wehner of DE DNREC by telephone on January 3, 1990, Diane indicated that their Standard Chlorine Company file did not contain any TCL/TAL analytical groundwater results and consequently the groundwater was never analyzed for the TCL/TAL list. She also indicated that she spoke with Robert Touhey with the Standard Chlorine Company concerning our recommendation of additional groundwater samples being analyzed for TCL/TAL list. Mr. Touhey wanted justification for any additional samples (other than the two identified in the RI/FS Work Plan) being analyzed for the TCL/TAL list since the only products or raw materials they used in their operational history will be analyzed for during the RI/FS work plan (i.e. benzene and its chlorinated derivatives). Diane and I agreed that at this point and time the two on site groundwater samples to be analyzed for the TCL/TAL list would be sufficient and that both EPA and DE DNREC would choose the locations (i.e. wells from which these

AR300477

two samples are to be obtained). It was also agreed that subsequent sampling for TCL/TAL of the other wells would occur contingent upon well sample results.

4. As indicated during the January 2, 1990 meeting with DE DNREC, the Hazard Ranking System (HRS) identifies use of the Columbia aquifer as a source of drinking water by individual homeowners (see attachments 2) approximately 7,000 feet to the south-southwest of the site and yet the QAPP on page 1-6 states that "... no wells are known to draw water from the Columbia Formation." Even though these wells would not be impacted by the site, we informed the DE DNREC that wells within a one to two mile radius need to be identified whether they are impacted or not for information purposes. The DE DNREC indicated that they would request that this information be included in future reports (e.g. RI/FS, exposure assessment, and risk assessment).
5. During the January 2, 1990 meeting with DE DNREC an issue concerning the appropriateness of using inorganic bentonite (i.e. mud) as a drilling fluid when constructing monitoring wells was brought up. Use of mud as a drilling fluid would cause physical (i.e. hydraulic properties) and chemical change (such as increase in ph) of the aquifer and hence would not provide a representative sample of that aquifer. The DE DNREC indicated that use of potable water as the drilling fluid would introduce a large volume of water to the aquifer and consequently cause some physical and chemical parameters of the aquifer to change. To avoid problems, I recommend that the Potomac wells be partially drilled using the inorganic bentonite (i.e. mud) as the drilling fluid to approximately 20 feet above the top of the proposed screened interval or to the depth of the bottom of the outer casing. The driller should continue drilling the rest of the hole with potable water as the drilling fluid.

If there are any questions concerning the preceding comments, feel free to contact me at X-1268.

cc: Diane Wehner

Attachments

AR300478

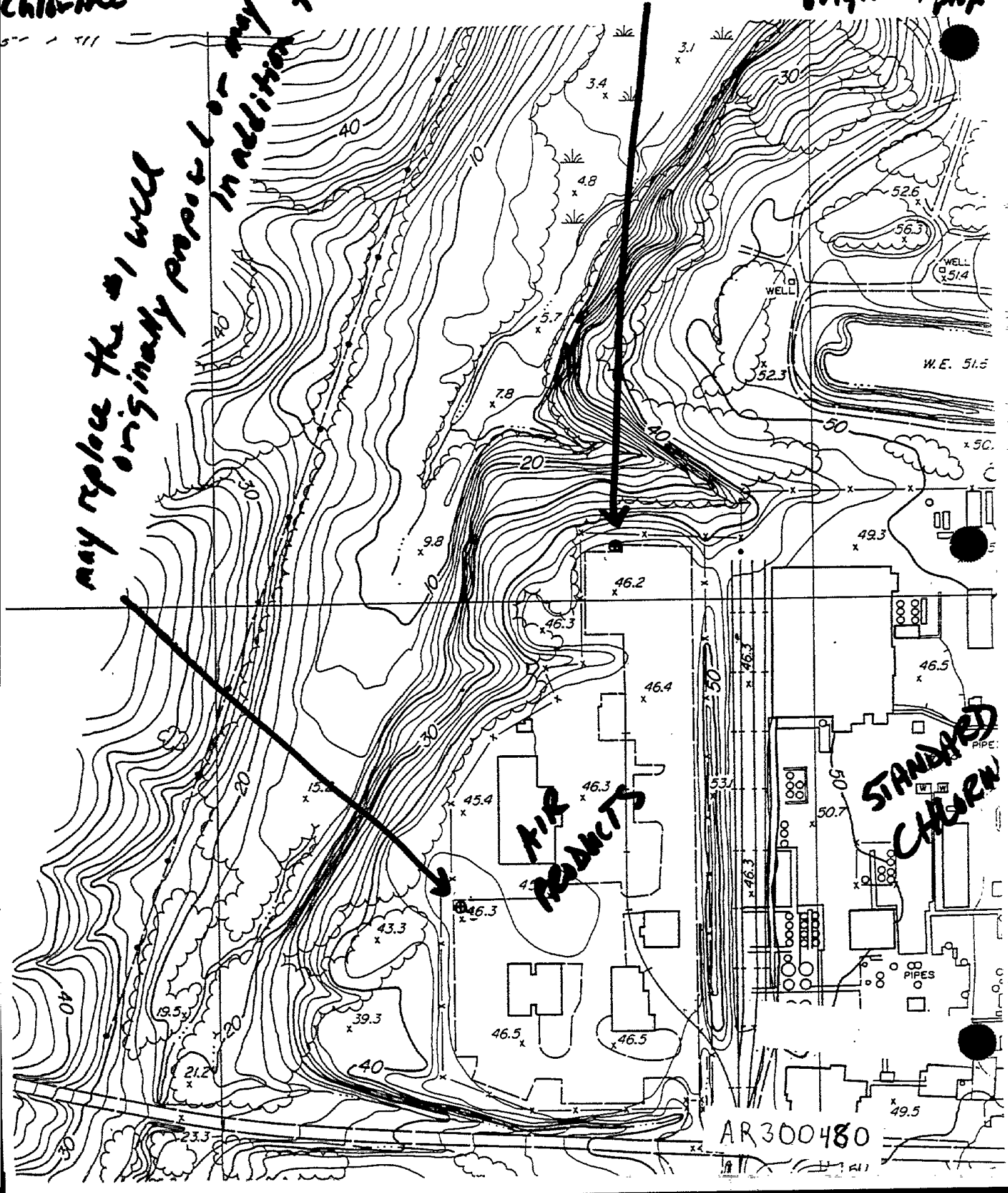
Attachment 1

AR300479

Standard Chlorine

Will replace the #10 well originally prop

may replace the #1 well originally proposed or may be in addition to.



AIR PRODUCTS

STANDARD CHLORINE

AR300480

Attachment 2

AR300481

(Rou)

SAMPLE LOG
FIELD TRIP REPORT
DELAWARE CITY PVC PLANT
TDD NO. F3-8204-05
EPA No. DE-07

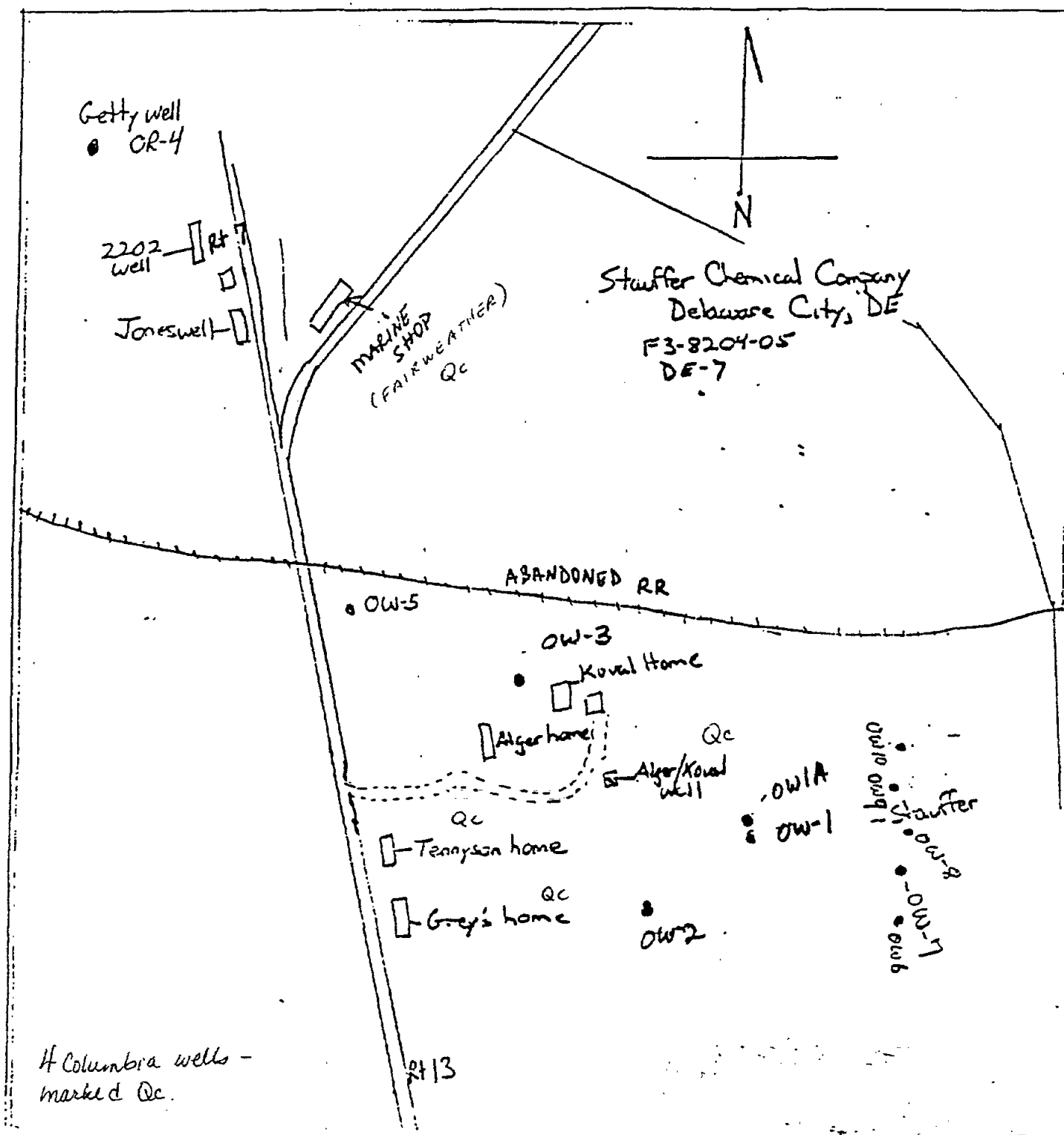
See figure
E-2,
for locations

Date	Time	Location	Well Depth (below grade)	Water Level (below grade)
4/27/82	10:00	Koval-Alger Deep Well	60 ft.	-
4/27/82	10:30	Bailer Blank	-	-
4/27/82	10:30	Koval-Alger Shallow Well	32 ft.	17 ft.
4/27/82	11:00	Tennyson's Well	-	-
4/27/82	-	Sample Blank	-	-
5/06/82	-	Sample Blank	-	-
5/06/82	09:15	Bailer Blank	-	-
5/6/82	09:30	Observation Well - 3	68 ft.	41.21 ft.
5/06/82	10:15	Observation Well - 2	66 ft.	37.74 ft.
5/06/82	11:20	Observation Well - 1	66 ft.	41.21 ft.
5/06/82	10:50	Grey's Home Well	-	-
6/01/82	10:45	Observation Well - 5	60 ft.	33 ft.
6/01/82	11:07	Observation Well - 7	32 ft.	19 ft.
6/01/82	11:40	Fairweather Marine Center	60 ft.	-
6/01/82	11:50	Jones' Well at 2224 Corbitt Rd.	30 ft.	-
6/01/82	12:10	2224 Corbitt Rd. Well	-	-
6/01/82	13:35	Getty Well OR-4	380 ft.	80.0 ft.

AR300482

ORIGINAL
(2-1)

SITE NAME: Delaware City PVC Plant
TDD NO.: F3-8204-05
EPA NO.: DE-7
TITLE: map of Sample Locations
FIGURE NO. 1



SOURCE: site sketch AR300483 FIGURE E-2

SCALE: _____

Fig 2

RT. 13

ORIGINAL

WRANGLE Hill Rd. (RT. 72)

S-1 SHETZLER

P. WILSON

S-2

PEAKER

S-3

DAVIDSON

S-4

SPICER

S-6

SCULLION

S-7

GOLDENBROUGH

S-8

MCGHEE

S-9

KELLER

S-10

LEONZIO

S-11

WILEY

S-12

McCoy Rd.

S-5

R. WILSON

S-13

KLINE

S-14

KRAEMER

PENNINGTON

S-17

SUNNYSIDE LN.

S-16

BARLOW

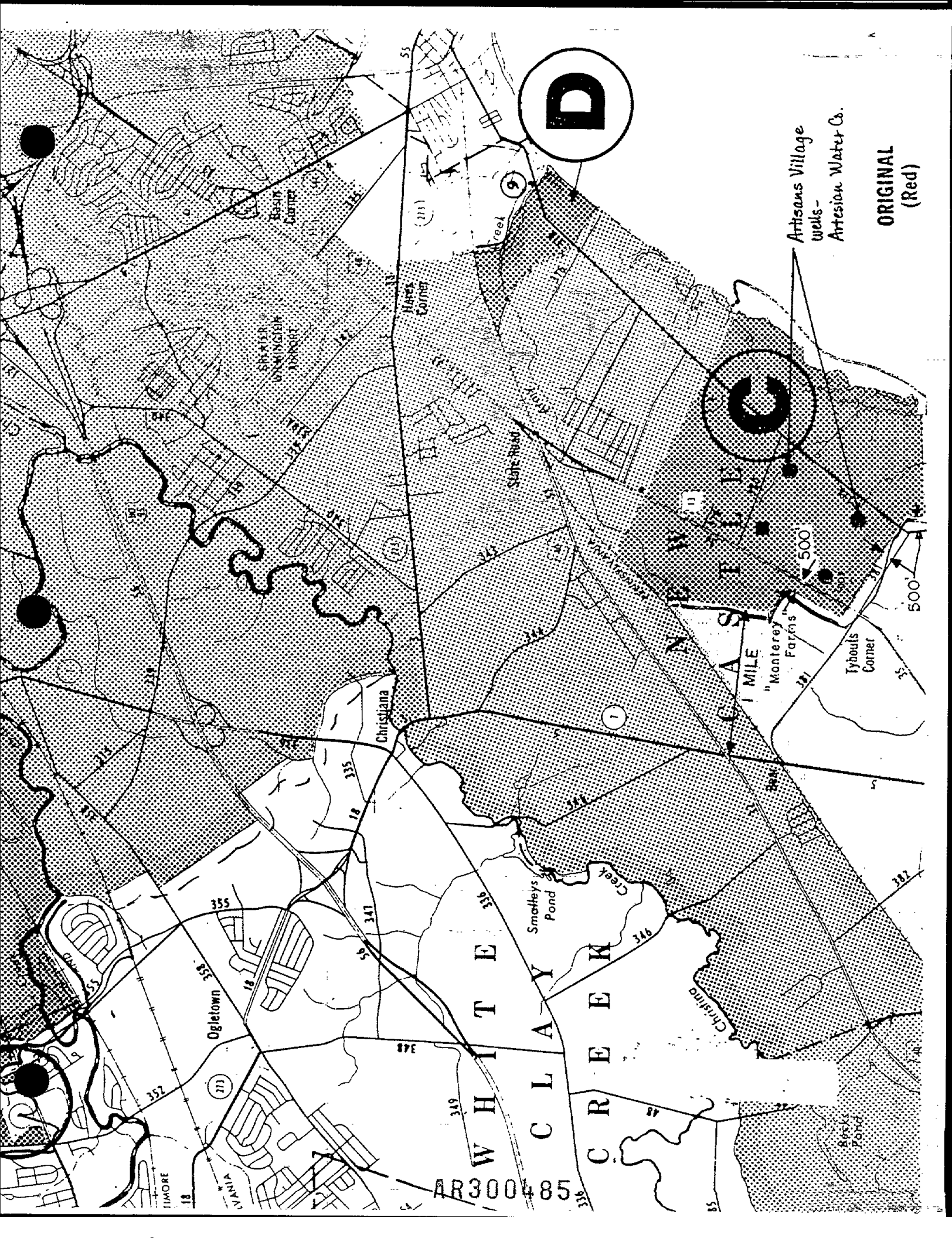
S-15

MEEDY

(NOT CAMPED)

All in Columbia aquifer, except Spicer & Scullion not sure
Also, Shetzler may no longer reside there.

AR300484



D

Artisans Village
wells -
Artesian Water Co.

ORIGINAL
(Red)

AR300485

ORIGINAL
(Red)

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY) _____			
		(Record of item checked above)			
TO:	Mr. Peter Johnson, Jr. V.P. Artesian	FROM:	Laura Boornazian	DATE	4/3/85
				TIME	
SUBJECT Water supply wells - Artisans Village					
SUMMARY OF COMMUNICATION					
<p>I called to confer in wells of Artesian Water Co. within 3 miles of site. Well location referred to as Artisans Village. They are permitted for 3 wells but only use two (the third not yet drilled). The ones they use are the ones along Route 9. It is not possible to say how many residences are served per well since there is a common distribution network.</p> <p>Well depths are 215 and 225 feet.</p> <p>They will send me drilling logs.</p> <p>1984: Wells 1-2 at Artisans Village pumped 1200 gal/min (900 + 300) Average use by customers is 314 gallons/day/customer. Customer is a residence.</p> <p>Transferred me to Bangalore Laxman: Collins Park well: 357,000 gal/day (130.7 million gal/yr) 1984 Castle Hills: combined 3 wells: 757,000 gal/day (277 million gal/yr) 1984</p>					
CONCLUSIONS, ACTION TAKEN OR REQUIRED					
<p>Total no. served by Artesian 150,000 people. Common interconnected distribution system.</p>					
INFORMATION COPIES					
TO:					

AR300486

ORIGINAL
(Red)

SAMPLE LOG
FIELD TRIP REPORT
DELAWARE CITY PVC PLANT
TDD NO. F3-8204-05
EPA No. DE-07

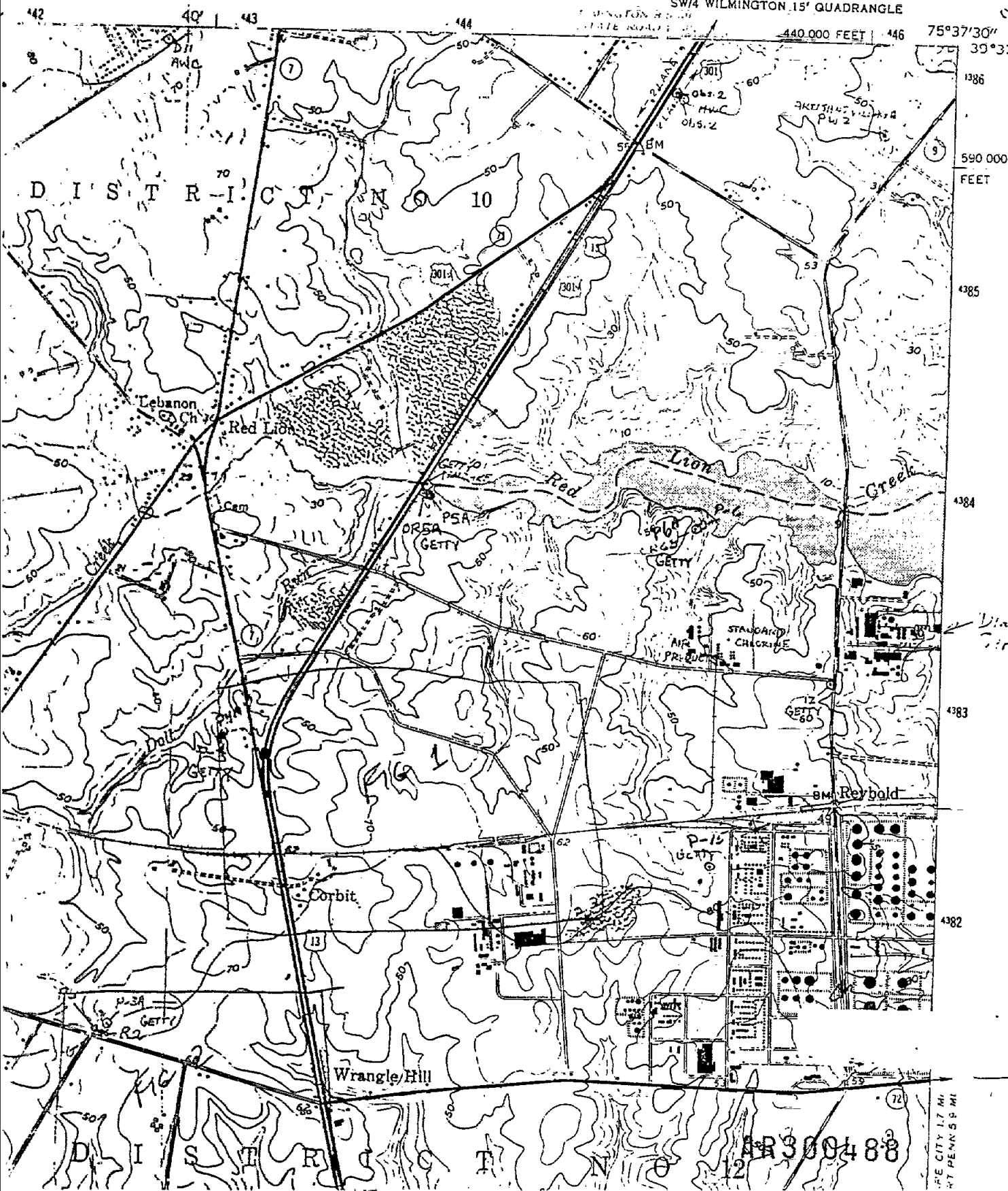
See figure
E-2,
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5/06/82	09:15	Bailer Blank	-	-
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5/06/82	10:15	Observation Well - 2	66 ft.	37.74 ft.
5/06/82	11:20	Observation Well - 1	66 ft.	41.21 ft.
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6/01/82	11:40	Fairweather Marine Center	60 ft.	-
6/01/82	11:50	Jones' Well at 2224 Corbitt Rd.	30 ft.	-
6/01/82	12:10	2224 Corbitt Rd. Well	-	-
6/01/82	13:35	Getty Well OR-4	380 ft.	36.0 ft.

AR300487

ORIGINAL
(Red)

SAINT GEORGES QUADRANGLE
DELAWARE-NEW CASTLE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 WILMINGTON 15' QUADRANGLE





ORIGINAL
(Red)

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME CHARLES B. McCAFFERY SR. HOME PHONE # 302-834-1656

ADDRESS 983 S. DUPONT HWY. WORK PHONE # _____

NEWCASTLE, DEL. 19720

HOUSE LOCATION (road junction, distances, lot #) ROUTE 13, 1/2 mile south
of Tylburt's Corner, south bound lane

NUMBER OF PEOPLE LIVING IN HOUSE 3

DO YOU OWN YES OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES X NO _____

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? _____

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED X JETTED/WASHED _____ DUG _____

DRILLERS NAME: WALTER SLAUCH LINCOLN UNIVERSITY, PA.

APPROXIMATE DATE OF INSTALLATION: 1950

WELL DEPTH 70'

WELL SCREEN MATERIAL: STEEL X PLASTIC _____ CONCRETE _____

WOOD _____ BRICK _____ AR300489

ORIGINAL
(Red)

HOUSE WATER PIPES: LEAD _____ PLASTIC _____ COPPER _____ OTHER STEEL

OUTSIDE SPIGOT: YES X NO _____

PUMP TYPE: ELECTRIC X GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES X NO _____

AR300490



ORIGINAL
(Red)

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME Mr. LEO Waytko HOME PHONE # 834-9757

ADDRESS 915 Red Lion Rd. Rt #301 WORK PHONE # _____
NEW CASTLE, DEL. 19720

HOUSE LOCATION (road junction, distances, lot #) _____

NUMBER OF PEOPLE LIVING IN HOUSE 3

DO YOU OWN ☒ OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES ☒ NO _____

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? _____

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED ☒ JETTED/WASHED _____ DUG _____

DRILLERS NAME: From Middletown Del. Middletown Drilling Company

APPROXIMATE DATE OF INSTALLATION: January of 1980

68 1/2 feet

WELL SCREEN MATERIAL: STEEL ☒ PLASTIC _____ CONCRETE _____
WOOD _____ BRICK _____

AR300491

ORIGINAL
(Red)

USE WATER PIPES: LEAD _____ PLASTIC _____ COPPER X OTHER _____

OUTSIDE SPIGOT: YES X NO _____

PUMP TYPE: ELECTRIC X GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES X NO _____

AR300492

ORIGINAL
(Red)



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME Charles Andrews HOME PHONE # 834-2184
ADDRESS 975 S. Depart Hwy WORK PHONE # 11
New Castle, Del
HOUSE LOCATION (road junction, distances, lot #) 301 & 13

NUMBER OF PEOPLE LIVING IN HOUSE 4

DO YOU OWN X OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES _____ NO X

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? BARWES

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED _____ JETTED/WASHED _____ DUG X

DRILLERS NAME: _____

APPROXIMATE DATE OF INSTALLATION: _____

WELL ID # 30

AR300493

WELL SCREEN MATERIAL: STEEL _____ PLASTIC _____ CONCRETE _____

WOOD _____ BRICK _____

(Red)

HOUSE WATER PIPES: LEAD _____ PLASTIC _____ COPPER X OTHER _____

OUTSIDE SPIGOT: YES X NO _____

PUMP TYPE: ELECTRIC X GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES X NO _____

AR300494



ORIGINAL
(Red)

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME Norris C. Lindsey HOME PHONE # (302)-834-1672
ADDRESS 1025 Red Lion Rd. WORK PHONE # _____
New Castle Del - 14720
HOUSE LOCATION (road junction, distances, lot #) 1 mi. south of Rt 13 on
Rts 71-301

NUMBER OF PEOPLE LIVING IN HOUSE 2

DO YOU OWN yes OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES yes NO _____

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? _____

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED _____ JETTED/WASHED _____ DUG ☒

DRILLERS NAME: Bill Wheatley

APPROXIMATE DATE OF INSTALLATION: 1958 or 1959

50 ft.

WELL SCREEN MATERIAL: STEEL _____ PLASTIC _____ CONCRETE ☒

WOOD _____ BRICK _____ AR300495

011111
(Red)

HOUSE WATER PIPES: LEAD _____ PLASTIC _____ COPPER ☒ _____ OTHER _____

OUTSIDE SPIGOT: YES ☒ _____ NO _____

PUMP TYPE: ELECTRIC ☒ _____ GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES ☒ _____ NO _____

AR300496

(Red)



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. Box 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME CHARLES P. REILLY HOME PHONE # 834-¹¹⁹⁴~~834~~

ADDRESS 1010 RED LION RD. WORK PHONE # 421-6101
NEW CASTLE, DE 19720

HOUSE LOCATION (road junction, distances, lot #) ROUTE 71, APPROXIMATELY
1/5 FROM ROUTE 13

NUMBER OF PEOPLE LIVING IN HOUSE 4

DO YOU OWN ☒ OR RENT ☐ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES ☐ NO ☒

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? WALLACE + DOROTHY NEILSON

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED ☐ DRILLED ☐ JETTED/WASHED ☐ DUG ☒

DRILLERS NAME: Unknown Wallace D Neilson

APPROXIMATE DATE OF INSTALLATION: 1945

14 feet

WELL SCREEN MATERIAL: STEEL ☐ PLASTIC ☐ CONCRETE ☒

WOOD ☐ BRICK ☒

AR300497

ORIGINAL
(Red)

HOUSE WATER PIPES: LEAD _____ PLASTIC _____ COPPER ☒ OTHER _____

OUTSIDE SPIGOT: YES ☒ NO _____

PUMP TYPE: ELECTRIC ☒ GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES ☒ NO _____

AR300498



ORIGINAL
(Red)

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME Mr. & Mrs. W.C. Nelson HOME PHONE # 834-8920

ADDRESS 1016 Red Lion Rd. WORK PHONE # _____

New Castle, Del. 19720

HOUSE LOCATION (road junction, distances, lot #) yellow ranch house
ON Rte. 301 left side 2nd house down from
gravel pit entrance.

NUMBER OF PEOPLE LIVING IN HOUSE 4

DO YOU OWN ☒ OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES ☒ NO _____

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? _____

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED _____ JETTED/WASHED _____ DUG _____

DRILLERS NAME: Hand Driven

APPROXIMATE DATE OF INSTALLATION: 1976

20'

WELL SCREEN MATERIAL: STEEL ☒ PLASTIC _____ CONCRETE _____
WOOD _____ BRICK _____

AR300499

HOUSE WATER PIPES: LEAD _____ PLASTIC ☒ COPPER _____ OTHER _____

OUTSIDE SPIGOT: YES ☒ NO _____

PUMP TYPE: ELECTRIC ☒ GAS _____ HAND _____

DO YOU HAVE A WATER PRESSURE TANK? YES ☒ NO _____

Please test for these chemicals:

Vinyl Chloride

1,2-Dichloroethane

Tetrachloroethylene

Benzene

Chloroethane

Phenol

Trans-1,2-Dichloroethylene

1,1 Dichloroethane



ORIGINAL
(Red)

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. BOX 1401
DOVER, DELAWARE 19901

TELEPHONE: (302) 678-4761

DNREC QUESTIONNAIRE

NAME CHARLES A. FRITZ HOME PHONE # 834-1716

ADDRESS 1007 RED LION ROAD WORK PHONE # _____
NEW CASTLE, DE. 19720

HOUSE LOCATION (road junction, distances, lot #) _____

ACROSS FROM LAND FILL - DE ROUTE 71 - U.S. 301 SOUTH

NUMBER OF PEOPLE LIVING IN HOUSE 2

DO YOU OWN YES OR RENT _____ YOUR HOUSE?

ARE YOU THE ORIGINAL OWNER? YES X NO _____

IF NO, WHAT IS THE ORIGINAL OWNER'S NAME? _____

IF YOU RENT, WHAT IS THE OWNER'S NAME? _____

OWNER'S ADDRESS _____

TYPE OF WELL: BORED _____ DRILLED X JETTED/WASHED _____ DUG _____

DRILLERS NAME: REV. LACEY BRYANT DECEASED

APPROXIMATE DATE OF INSTALLATION: MAY - 1973

WELL DEPTH 20 FT.

WELL SCREEN MATERIAL: STEEL ✓ PLASTIC _____ CONCRETE _____
WOOD _____ BRICK _____

AR300501

ORIGINAL
(Red)

HOUSE WATER PIPES: LEAD _____ PLASTIC _____ COPPER _____ OTHER _____

OUTSIDE SPIGOT: YES ✓ _____ NO _____

PUMP TYPE: ELECTRIC ✓ _____ GAS _____ HAND _____

D YOU HAVE A WATER PRESSURE TANK? YES ✓ _____ NO _____

AR300502

House Water Pipes: Lead ☐ Plastic ☐ Copper ☒ Other ☐

Outside Spigot: Yes ☒ No ☐

Pump Type: Electric ☒ Gas ☐ Hand ☐

Do You Have a Water Pressure Tank? Yes ☒ No ☐

DO YOU HAVE A WATER TREATMENT
SYSTEM? IF SO, WHAT TYPE? NO

septic tank 100' Ft well

septic ← 100' well

ORIGINAL
(Red)



AR300502a



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
DIVISION OF ENVIRONMENTAL CONTROL
WATER RESOURCES SECTION
EDWARD TATNALL BUILDING
P.O. Box 1401
DOVER, DELAWARE 19901

ORIGINAL
(Red)

TELEPHONE: (302) 736-4761

DNREC QUESTIONNAIRE

NAME HARRY F. RACENDER, JR.

HOME PHONE # 834-1719

ADDRESS 1011 RED LION ROAD

WORK PHONE # 654-2220

NEW CASTLE, DE. 19720

HOUSE LOCATION (road junction, distances, Lot #) _____

ON Rte 1 S BETWEEN TYBOOTS CORNER AND
RED LION

Number of People Living In House 4

Do you Own ☒ or Rent _____ your house?

Are you the original owner? Yes _____ No ☒

If No, what is the original owner's name ?

If you rent what is the owner's name _____

Owner's Address _____

Owner's Telephone Number _____

Type of Well: Bored _____ Drilled _____ Jetted/Washed _____ Dug ☒

Drillers Name: _____

Approximate Date of Installation: 1960

Well Depth 15 - 18'

Well Screen Material: Steel _____ Plastic _____ Concrete _____

Wood _____ Brick _____

AR300503

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
(Record of item checked above)			
TO:	FROM:		DATE
Gini De Martinis, Sr. Hydro-geologist	Laura Boornazian		6/14/85
SUBJECT		TIME	
Domestic wells in Columbia aquifer near Std. Chlorine site		2:45	
SUMMARY OF COMMUNICATION			
<p> Roux Assoc. Huntington, NY (516) 673-4921 </p> <p> They did a study for Stauffer Chemical Co in Feb 1983. Sounded the wells : all in Columbia Formation. </p> <p> Alger/Koval deep well 65 feet deep. Tennyson well 44 feet Fairweather Marine Shop 60 feet Grey's well 45 feet. </p>			
CONCLUSIONS, ACTION TAKEN OR REQUIRED			
<p>Attached is excerpt from Appendix E of the Stauffer Report prepared by Roux Assoc.</p>			
INFORMATION COPIES			
TO:			